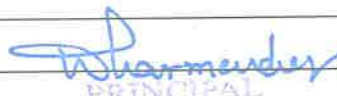


DETAILED LIST OF LABORATORIES & MAJOR EQUIPMENTS AVAILABLE

Sr No.	Name of Department	Name of Laboratory	Major Equipment	List of Equipments added during previous year
1	APPLIED SCIENCE	Applied Chemistry Lab	2 Dig Bal. 3rd dec place 150g, Conductivity mtr 2, pH Mtr 2, Melt pt Apparatus	Hot Plate and Hot air oven
2	APPLIED SCIENCE	Applied Physics I	Newton Ring Exp., He-Ne Laser, Plank's constant, Spectrometer, Optical Fiber Exp.	3 Spectrometer setup with sodium Lamp & Mercury Lamp, 2 Newton's Ring setup, 2 optical fiber setup
3	APPLIED SCIENCE	Applied Physics II	Zener Diode, E/M ratio, Charging & Discharging setup, Stefans law setup, Four Probe setup	The E/m Ratio by Using J.J Thomson Method Setup (2), Lissajous pattern on the DSO screen setup (2), AC Mains Sonometer setup (1), Electrically Maintained Tuning Fork by Using Melde's Method Setup (1), Charging & Discharging of A Capacitor Using Ammeter Setup (2), Stefan Law setup (2), Energy Band gap by using four probe Method Setup (1), I-V Characteristic of Zener Diode Setup (2), The Hall Effect Setup (1)
4	APPLIED SCIENCE	Engineering Graphics Lab	Graphics Table Set	
5	APPLIED SCIENCE	Environmental Studies Lab	BOD, COD, DO Mtr., Magnet Stirrer	
6	APPLIED SCIENCE	Workshop	Arc welding, Gas Welding, Grinding, Power Hacksaw, Vertical drilling machine, Shearing Machine, Rolling and bending machine, Lathe machine, Milling machine, Shaper machine	
7	APPLIED SCIENCE	Electrical Science Lab	CRO, Function Generator, Bread Boards, AC and DC Voltmeters, AC and DC Ammeters, DC supply, Variac, Transformer, Two way switch kit, multimeters, Wattmeters, <u>Three voltmeter and three ammeter kit, Transformer</u> <u>OCT and SCT kit, Rheostat, DSO</u>	
8	APPLIED SCIENCE	Language Lab	37 Computers (I5 10th generation 8 GB ram)	
9	APPLIED SCIENCE	Programming in C	60 Computers (I5 10th generation 8 GB ram)	
10	CSE	Data Warehouse and Data Mining lab	24 PCs Configuration: Lenovo i7 8TH gen processor, 3 20 GHz, HDD-1 TB, RAM - 8 GB, 17" LCD Monitor, Software used: WEKA, Python (Anaconda/Jupyter Notebook).	24 PC HP Branded Computer i7, HP 19 5 inches Monitor HP ProDesk 289 G9 EP, Intel Core i7-14700, 16GB RAM, 1TB M.2 2280 PCIe Gen4 TLC SSD, Opal, No OS, Keyboard, Mouse, 3-Year Premier Support, Microsoft Windows 11 Home, RTX 350 Graphics Card Software used: WEKA, Python (Anaconda/Jupyter Notebook).
11	CSE	Design & analysis of Algorithm Lab	24 PCs Configuration: Lenovo INTEL (RE-2224G), 3 50 GHz, HDD-1 TB, RAM - 16 GB, 21.5" IPS FULL HD Monitor WITH CAMERA & MIC, Software used: Code::Blocks, Turbo C.	24 PC HP Branded Computer i7, HP 19 5 inches Monitor HP ProDesk 289 G9 EP, Intel Core i7-14700, 16GB RAM, 1TB M.2 2280 PCIe Gen4 TLC SSD, Opal, No OS, Keyboard, Mouse, 3-Year Premier Support, Microsoft Windows 11 Home, RTX 350 Graphics Card Software used: Code::Blocks, Turbo C.

12	CSE	Data Structure Lab	24 PCs Configuration: Lenovo INTEL (RE-2224G) , 3.50 GHz, HDD-1 TB, RAM – 16 GB, 21.5" IPS FULL HD Monitor WITH CAMERA & MIC, Software used Visual Studio Code (VS Code).	24 PC HP Branded Computer i7, HP 19.5 inches Monitor HP ProDesk 289 G9 EP, Intel Core i7-14700, 16GB RAM, 1TB M.2 2280 PCIe Gen4 TLC SSD, Opal, No OS, Keyboard, Mouse, 3-Year Premier Support, Microsoft Windows 11 Home, RTX 350 Graphics Card., Software used: Visual Studio Code (VS Code).
13	CSE	Data Science Using R	24 PCs Configuration: Lenovo INTEL (RE-2224G) , 3.50 GHz, HDD-1 TB, RAM – 16 GB, 21.5" IPS FULL HD Monitor WITH CAMERA & MIC, Software used: R, RStudio.	3 PC HP Branded Computer i7, HP 19.5 inches Monitor HP ProDesk 289 G9 EP, Intel Core i7-14700, 16GB RAM, 1TB M.2 2280 PCIe Gen4 TLC SSD, Opal, No OS, Keyboard, Mouse, 3-Year Premier Support, Microsoft Windows 11 Home, RTX 350 Graphics Card Software used: R, RStudio.
14	CSE	Cloud Computing and Security lab	24 PCs Configuration: Lenovo i7 8TH genprocessor, 3.20 GHz, HDD-1 TB, RAM – 8 GB, 17" LCD Monitor. Software used: Java JDK, NetBeans IDE/Eclipse, Visual Studio Code (VS Code).	3 PC HP Branded Computer i7, HP 19.5 inches Monitor HP ProDesk 289 G9 EP, Intel Core i7-14700, 16GB RAM, 1TB M.2 2280 PCIe Gen4 TLC SSD, Opal, No OS, Keyboard, Mouse, 3-Year Premier Support, Microsoft Windows 11 Home, RTX 350 Graphics Card. Software used: Java JDK, NetBeans IDE/Eclipse, Visual Studio Code (VS Code).
15	CSE	Pattern Recognition and Computer Vision lab	24 PCs Configuration: DELL E2422H OPTI PLEX I5 Intel R CORE I5 12TH GEN, 3.00GHZ, HDD-1 TB, RAM – 16 GB, 24" IPS FULL HD Monitor, Software used: MATLAB.	3 PC HP Branded Computer i7, HP 19.5 inches Monitor HP ProDesk 289 G9 EP, Intel Core i7-14700, 16GB RAM, 1TB M.2 2280 PCIe Gen4 TLC SSD, Opal, No OS, Keyboard, Mouse, 3-Year Premier Support, Microsoft Windows 11 Home, RTX 350 Graphics Card. Software used: MATLAB.
16	CSE	Big Data Analytics	24PCs:, LENOVO THINK Intel Core I9-13900 VPRO PROCESSOR, HDD-500 GB, RAM-32 GB, 24" TFT Monitor, NVIDIA GRAPHIC CARD, WINDOW 11PRO, Software used: Ubuntu Linux (64-bit), Apache Hadoop	
17	CSE	Computer Networks Lab	24PCs:, LENOVO THINK Intel Core I9-13900 VPRO PROCESSOR, HDD-500 GB, RAM-32 GB, 24" TFT Monitor, NVIDIA GRAPHIC CARD, WINDOW 11PRO, Software used: Cisco Packet Tracer.	
18	CSE	Reinforcement Learning Lab	24 PCs Configuration: DELL E2422H OPTI PLEX I5 Intel R CORE I5 12TH GEN, 3.00GHZ, HDD-1 TB, RAM – 16 GB, 24" IPS FULL HD Monitor, Software used: Jupyter Notebook.	
19	CSE	Soft Computing and Expert System LAB	24 PCs Configuration: DELL E2422H OPTI PLEX I5 Intel R CORE I5 12TH GEN, 3.00GHZ, HDD-1 TB, RAM – 16 GB, 24" IPS FULL HD Monitor, Software used: MATLAB, Python (Anaconda/Jupyter Notebook).	
20	CSE	Distributive System and Cloud Computing	24 PCs Configuration: DELL E2422H OPTI PLEX I5 Intel R CORE I5 12TH GEN, 3.00GHZ, HDD-1 TB, RAM – 16 GB, 24" IPS FULL HD Monitor, Software used: Java JDK, NetBeans IDE/Eclipse, Visual Studio Code (VS	
21	CSE	Digital Logic and Computer Design Lab	24 PCs Configuration: Lenovo i7 8TH genprocessor, 3.20 GHz, HDD-1 TB, RAM – 8 GB, 17" LCD Monitor. Software used: Logisim, GNUsim8085.	Smart Board
22	CSE	Compiler Design	24 PCs Configuration: Lenovo i7 8TH genprocessor, 3.20 GHz, HDD-1 TB, RAM – 8 GB, 17" LCD Monitor, Software used: Visual Studio Code (VS Code), Lex, YACC.	Smart Board
23	CSE	Machine Learning	24 PCs Configuration: DELL E2422H OPTI PLEX I5 Intel R CORE I5 12TH GEN, 3.00GHZ, HDD-1 TB, RAM – 16 GB, 24" IPS FULL HD Monitor, Software used: Jupyter Notebook.	Smart Board
24	CSE	Supervised Deep Learning	24 PCs:, LENOVO THINK Intel Core I9-13900 VPRO PROCESSOR, HDD-500 GB, RAM-32 GB, 24" TFT Monitor, NVIDIA GRAPHIC CARD, WINDOW 11PRO, SOFTWARE: STAR UML, 20 PCs:, LENOVO THINK	
25	CSE	Exploratory Data Analysis and Visualisation Lab	24 PCs:, LENOVO THINK Intel Core I9-13900 VPRO PROCESSOR, HDD-500 GB, RAM-32 GB, 24" TFT Monitor, NVIDIA GRAPHIC CARD, WINDOW 11PRO, SOFTWARE: STAR UML, 20 PCs:, LENOVO THINK	

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26	CSE	Object oriented using C++	24 PCs; LENOVO THINK Intel Core I9-13900 VPRO PROCESSOR, HDD-500 GB, RAM-32 GB, 24" TFT Monitor, NVIDIA GRAPHIC CARD, WINDOW 11PRO, SOFTWARE: STAR UML, 20 PCs; LENOVO THINK	24 PC HP Branded Computer i7, HP 19.5 inches Monitor HP ProDesk 289 G9 EP, Intel Core i7-14700, 16GB RAM,
27	CSE	Operating System Lab	24 PCs; LENOVO THINK Intel Core I9-13900 VPRO PROCESSOR, HDD-500 GB, RAM-32 GB, 24" TFT Monitor, NVIDIA GRAPHIC CARD, WINDOW 11PRO, SOFTWARE: STAR UML, 20 PCs; LENOVO THINK Intel Core I9-14900 VPRO PROCESSOR, HDD-1TB, RAM-32 GB, 23.8" TFT Monitor, NVIDIA GRAPHIC CARD, WINDOW 11PRO, With camera, 03 PCs Configuration: Lenovo i7 8TH genprocessor, 3.20 GHz, HDD-1 TB, RAM – 8 GB, 17" LCD Monitor. Software used: Ubuntu Linux, VirtualBox, GCC Compiler, Code::Blocks	24 PC HP Branded Computer i7, HP 19.5 inches Monitor HP ProDesk 289 G9 EP, Intel Core i7-14700, 16GB RAM, 1TB M.2 2280 PCIe Gen4 TLC SSD, Opal, No OS, Keyboard, Mouse, 3-Year Premier Support, Microsoft Windows 11 Home, RTX 350 Graphics Card. Software used: Ubuntu Linux, VirtualBox, GCC Compiler, Code::Blocks
28	CSE	Software Engineering Lab	24 PCs Configuration: Lenovo i7 8TH genprocessor, 3.20 GHz, HDD-1 TB, RAM – 8 GB, 17" LCD Monitor. Software used: Visual Paradigm.	24 PC HP Branded Computer i7, HP 19.5 inches Monitor HP ProDesk 289 G9 EP, Intel Core i7-14700, 16GB RAM, 1TB M.2 2280 PCIe Gen4 TLC SSD, Opal, No OS, Keyboard, Mouse, 3-Year Premier Support, Microsoft Windows 11 Home, RTX 350 Graphics Card.
29	CSE	Web Technology Lab	24 PCs Configuration: Lenovo i7 8TH genprocessor, 3.20 GHz, HDD-1 TB, RAM – 8 GB, 17" LCD Monitor. Software used: Visual Studio Code (VS Code), Apache, PHP, MySQL, phpMyAdmin (XAMPP), Apache Tomcat.	24 PC HP Branded Computer i7, HP 19.5 inches Monitor HP ProDesk 289 G9 EP, Intel Core i7-14700, 16GB RAM, 1TB M.2 2280 PCIe Gen4 TLC SSD, Opal, No OS, Keyboard, Mouse, 3-Year Premier Support, Microsoft Windows 11 Home, RTX 350 Graphics Card. Software used: Visual Studio Code (VS Code), Apache, PHP, MySQL, phpMyAdmin (XAMPP), Apache Tomcat.
30	CSE	Database Management System Lab	24 PCs Configuration: DELL E2422H OPTI PLEX I5 Intel R CORE I5 12TH GEN, 3.00GHZ, HDD-1 TB, RAM – 16 GB, 24" IPS FULL HD Monitor, Software used: SQL, MySQL.	24 PC HP Branded Computer i7, HP 19.5 inches Monitor HP ProDesk 289 G9 EP, Intel Core i7-14700, 16GB RAM, 1TB M.2 2280 PCIe Gen4 TLC SSD, Opal, No OS, Keyboard, Mouse, 3-Year Premier Support, Microsoft Windows 11 Home, RTX 350 Graphics Card. Software used: SQL, MySQL.
31	CSE	Programming in Python Lab	24 PCs; LENOVO THINK Intel Core I9-13900 VPRO PROCESSOR, HDD-500 GB, RAM-32 GB, 24" TFT Monitor, NVIDIA GRAPHIC CARD, WINDOW 11PRO, Software used: Python, Jupyter Notebook, Anaconda, Scikit-learn.	3 PC HP Branded Computer i7, HP 19.5 inches Monitor HP ProDesk 289 G9 EP, Intel Core i7-14700, 16GB RAM, 1TB M.2 2280 PCIe Gen4 TLC SSD, Opal, No OS, Keyboard, Mouse, 3-Year Premier Support, Microsoft Windows 11 Home, RTX 350 Graphics Card. Software used: Python, Jupyter Notebook, Anaconda, Scikit-learn.
32	CSE	Statistics and Statistical Modelling design	24 PCs; LENOVO THINK Intel Core I9-13900 VPRO PROCESSOR, HDD-1TB, RAM-32 GB, 24" TFT Monitor, WINDOW 11PRO, SOFTWARE: SCILAB	3 PC HP Branded Computer i7, HP 19.5 inches Monitor HP ProDesk 289 G9 EP, Intel Core i7-14700, 16GB RAM, 1TB M.2 2280 PCIe Gen4 TLC SSD, Opal, No OS, Keyboard, Mouse, 3-Year Premier Support, Microsoft Windows 11 Home, RTX 350 Graphics Card. SOFTWARE: SCILAB
33	CSE	PSLP Lab	24 PCs Configuration: Lenovo i7 8TH genprocessor, 3.20 GHz, HDD-1 TB, RAM – 8 GB, 17" LCD Monitor. Software used: MATLAB, Simulink	3 PC HP Branded Computer i7, HP 19.5 inches Monitor HP ProDesk 289 G9 EP, Intel Core i7-14700, 16GB RAM, 1TB M.2 2280 PCIe Gen4 TLC SSD, Opal, No OS, Keyboard, Mouse, 3-Year Premier Support, Microsoft Windows 11 Home, RTX 350 Graphics Card. Software used: MATLAB, Simulink.

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34	CSE	Edge AI and embedded Lab	STMicroelectronics AI Lab - 10 Seats (Components & Software) a) STM32 ARM Cortex M4 Development Kit: 10 Nos b) STMicroelectronics NanoEdge AI Studio Edu Pack: 10 Users for 3 Years c) Sensors Bundle (Motion & Vibration, Audio, Light, Temperature & Humidity, Ultrasonic): 10 Nos each d) Interfaces & Accessories: (LCD Unit, Micro SD Card, Connecting Wires, USB Cables) - 10 Nos each	
35	CSE	Intel Unnati AI Research Lab	The lab is configured for 35 concurrent users. The lab includes following GPU Node configuration 1. GPU Node : 2U dual socket Server Solution – 5th generation 6530 : • Ubuntu* 18.04 • Intel® oneAPI Base Toolkit • Intel® AI Analytics Toolkit • Horovod* + Intel® MPI (for distributed DL training with TensorFlow*) • Intel® Extension for PyTorch* (IPEX) • Intel® Distribution of OpenVINO™ Toolkit 2. Login + Storage Server 5th Gen. Intel® Xeon® 4510Y 3. 16- port unmanaged Gigabit Ethernet Switch + patch cables + power cables + server Rack along with standard accessories OpenVino™ labs will be run on Intel® DevCloud for the Edge	
36	CSE	Artificial Intelligence and Machine Learning Lab	24 PCs Configuration: DELL E2422H OPTI PLEX I5 Intel R CORE I5 12TH GEN, 3.00GHZ, HDD-1 TB, RAM – 16 GB, 24" IPS FULL HD Monitor. Software used: Star UML, Software used: Python, Jupyter Notebook, Anaconda, Scikit-learn	
37	CSE	Artificial Intelligence Lab	24 PCs Configuration: Lenovo i7 8TH genprocessor, 3.20 GHz, HDD-1 TB, RAM – 8 GB, 17" LCD Monitor. Software used: Python, Jupyter Notebook, Anaconda, Scikit-learn	
38	CSE	Python	24 PCs, LENOVO THINK Intel Core I9-13900 VPRO PROCESSOR, HDD-1TB, RAM-32 GB, 24" TFT Monitor, WINDOW 11PRO, Software used: Python, Jupyter Notebook, Anaconda	3 PCs, HP 19.5 inches Monitor, HP Branded Computer i7 HP ProDesk 289 G9 EP, Intel Core i7-14700, 16GB RAM, 1TB M.2 2280 PCIe Gen4 TLC SSD, Opal, No OS, Keyboard, Mouse, 3-Year Premier Support, Microsoft Windows 11 Home, RTX 350 Graphics Card. Software used: Python, Jupyter Notebook, Anaconda.
39	CSE	Circuit and systems lab	24 PCs, LENOVO THINK Intel Core I9-13900 VPRO PROCESSOR, HDD-1TB, RAM-32 GB, 24" TFT Monitor, NVIDIA 8 GB GRAPHIC CARD, WINDOW 11PRO, Software used: MATLAB, Simulink	
40	CSE	Advanced Java Programming	24 PCs Configuration: Lenovo i7 8TH genprocessor, 3.20 GHz, HDD-1 TB, RAM – 8 GB, 17" LCD Monitor. Software used: Java JDK, NetBeans IDE/Eclipse, MySQL, Apache Tomcat.	
41	CSE	Programming in java lab	24 PCs Configuration: Lenovo i7 8TH genprocessor, 3.20 GHz, HDD-1 TB, RAM – 8 GB, 17" LCD Monitor. Software used: Python, Jupyter Notebook, Anaconda, Scikit-learn. Software used: Java JDK, NetBeans IDE/Eclipse.	
42	CSE-AIML	Digital Logic and Computer Design Lab		24 PCs, HP 19.5 inches Monitor, HP Branded Computer i7 HP ProDesk 289 G9 EP, Intel Core i7-14700, 16GB RAM, 1TB M.2 2280 PCIe Gen4 TLC SSD, Opal, No OS, Keyboard, Mouse, 3-Year Premier Support, Microsoft Windows 11 Home, RTX 350 Graphics Card. Software used: Logisim, GNUsim8085 Smart Board

43	CSE-AIML	Object oriented using C++		24 PCs, HP 19.5 inches Monitor, HP Branded Computer i7 HP ProDesk 289 G9 EP, Intel Core i7-14700, 16GB RAM, 1TB M.2 2280 PCIe Gen4 TLC SSD, Opal, No OS, Keyboard, Mouse, 3-Year Premier Support, Microsoft Windows 11 Home, RTX 350 Graphics Card. Software used: Code::Blocks, GCC/G++ Compiler, Visual Studio Code (VS Code). Smart Board
44	CSE-AIML	Data Structure Lab		24 PCs, HP 19.5 inches Monitor, HP Branded Computer i7 HP ProDesk 289 G9 EP, Intel Core i7-14700, 16GB RAM, 1TB M.2 2280 PCIe Gen4 TLC SSD, Opal, No OS, Keyboard, Mouse, 3-Year Premier Support, Microsoft Windows 11 Home, RTX 350 Graphics Card. Software used: Visual Studio Code (VS Code). Smart Board
45	CSE-AIML	PSL Lab		24 PCs, HP 19.5 inches Monitor, HP Branded Computer i7 HP ProDesk 289 G9 EP, Intel Core i7-14700, 16GB RAM, 1TB M.2 2280 PCIe Gen4 TLC SSD, Opal, No OS, Keyboard, Mouse, 3-Year Premier Support, Microsoft Windows 11 Home, RTX 350 Graphics Card. Software used: MATLAB, Simulink. Smart Board
46	CSE-AIML	Circuits and Systems Lab		24 PCs, HP 19.5 inches Monitor, HP Branded Computer i7 HP ProDesk 289 G9 EP, Intel Core i7-14700, 16GB RAM, 1TB M.2 2280 PCIe Gen4 TLC SSD, Opal, No OS, Keyboard, Mouse, 3-Year Premier Support, Microsoft Windows 11 Home, RTX 350 Graphics Card. Software used: MATLAB, Simulink. Smart Board
47	CSE-AIML	DBMS Lab		24 PCs, HP 19.5 inches Monitor, HP Branded Computer i7 HP ProDesk 289 G9 EP, Intel Core i7-14700, 16GB RAM, 1TB M.2 2280 PCIe Gen4 TLC SSD, Opal, No OS, Keyboard, Mouse, 3-Year Premier Support, Microsoft Windows 11 Home, RTX 350 Graphics Card. Software used: MATLAB, Simulink. Smart Board
48	CSE-AIML	Programming in Java		24 PCs, HP 19.5 inches Monitor, HP Branded Computer i7 HP ProDesk 289 G9 EP, Intel Core i7-14700, 16GB RAM, 1TB M.2 2280 PCIe Gen4 TLC SSD, Opal, No OS, Keyboard, Mouse, 3-Year Premier Support, Microsoft Windows 11 Home, RTX 350 Graphics Card. Software used: MATLAB, Simulink. Smart Board
49	ECE	Data Communication Networks Lab	1 Computer (Intel Core i5 - 2.10 GHz, 4th gen, 16GB RAM, Windows 10 Pro, 64bit), Ubuntu (Operating System), NS3 Software, UPS Battery 12V(01), Switch Port (24 Port (01)), HP Laser Jet 1020 Plus Printer(1)	22 Computers Added (Intel Core i5 - 1.60GHz, 10th gen, 8GB RAM, Windows 10 Pro, 64bit)
50	ECE	Digital Logic & Computer Design Lab	07 Computers (Intel Core i7 - 3.20 GHz, 8th Gen. Windows 10 Pro, 64 bit), 01 Computer (Intel Core 2 duo, Windows 7, 2GB RAM), GNU software (Open Source), UNIVERSAL IC TESTER, Digital IC trainer kit (11), Switch Port (24 Port (01)), HP Laser Jet Pro P1108 Plus(01)	05 Computers Added (Intel Core i7-2.10GHz, 14th gen, 16.0GB RAM, Windows 11 Home, 64bit)

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51	ECE	Computational Method Lab	1 Computer (Intel Core i5 - 2.10 GHz, 4th gen, 16GB RAM, Windows 10 Pro, 64bit), Code Blocks Software, UPS Battery 12V(01), Switch Port (24 Port (01)), HP Laser Jet 1020 Plus Printer(1)	22 Computers Added (Intel Core i5 - 1.60GHz, 10th gen, 8GB RAM, Windows 10 Pro, 64bit)
52	ECE	Control System Lab	20 Computers (Intel Core i9-2.00 GHz, 13th Gen. Windows 11 Pro), RAM- 32GB, 1 Computer (Intel Core i5, 6th gen, 16GB RAM, Windows 10 Pro - 64 bit) DC Motor Speed Control Kit (2), PID Controller Kit (2), Linear System Simulator (2), Potentiometric Error Detector (2), DSO(5), Speed-Torque Curves of AC Servometer (2), UPS Battery 12V(01), Switch Port (24 Port (01)), HP Laser Jet Pro P1108 Plus(01)	
53	ECE	Analog Electronics Lab -I	Multi Meter(18), AFG 1022 Arbitrary Function Generator (06), Multiple Power Supply PSD3304(05), Manual Triple Channel DC Power Supply (4), Rishabh 410 Multimeter (02), TBS 1052 Digital Storage Oscilloscope (06), Switch Port (16 Port (01))	07 Computers Added (Intel Core i7-2.10GHz, 14th gen, 16.0GB RAM, Windows 11 Home, 64bit)
54	ECE	Analog Electronics Lab -II	Multi Meter(18), AFG 1022 Arbitrary Function Generator (06), Multiple Power Supply PSD3304(05), Manual Triple Channel DC Power Supply (04), Rishabh 410 Multimeter (02), TBS 1052 Digital Storage Oscilloscope (06), Switch Port (16 Port (01))	07 Computers Added (Intel Core i7-2.10GHz, 14th gen, 16.0GB RAM, Windows 11 Home, 64bit)
55	ECE	Digital Communication Lab	20 Computers (Intel Core i9-2.00 GHz, 13th Gen. Windows 11 Pro), RAM- 32GB, 1 Computer (Intel Core i5, 6th gen, 16GB RAM, Windows 10 Pro - 64 bit), Sciencetech Kits, Model 2110, Model 2151, Model ST 2152, Model 2153, Model 2154, Model 2155, Model 2156, Model 2157, Model 2113, Model 2136(5), Model 2151 (2), Model 2153 (2), Model 2154(2), Model 2156(2), Model 21517(2), Model 2155 (2), Model 2113 (2), DSO(5), Frequency Modulation Kit, Function Generator(05), MATLAB 2022b (Licensed), UPS Battery 12V(01), Switch Port (24 Port (01)), HP Laser Jet Pro P1108 Plus(01)	Matlab Software 2024b (upgraded)
56	ECE	Analog Communication Lab	20 Computers (Intel Core i9-2.00 GHz, 13th Gen. Windows 11 Pro), RAM- 32GB, 1 Computer (Intel Core i5, 6th gen, 16GB RAM, Windows 10 Pro - 64 bit), Sciencetech Kits Model 2201(5), Model 2202(5), Model 2203(3), Model 2110(3), DSO(5), Frequency Modulation Kit, Function Generator(05), MATLAB 2022b (Licensed), UPS Battery 12V(01), Switch Port (24 Port (01)), HP Laser Jet Pro P1108 Plus(01)	Matlab Software 2024b (upgraded)
57	ECE	Digital Signal Processing Lab	MATLAB 2022b (Licensed), UPS Battery 12V(01), Switch Port (24 Port (01)), HP LaserJet P1108(01)	20 Computers Added (Intel Core i7-2.10GHz, 14th gen, 16.0GB RAM, Windows 11 Home, 64bit)
58	ECE	Microprocessor & Microcontroller Lab	1 Computer (Intel Core i5 - 2.10 GHz, 4th gen, 16GB RAM, Windows 10 Pro, 64bit), GNU Sim8085 Open Source Software, UPS Battery 12V(01), 8253 Study Card (04), Micro Processor Training cum Development Kit (ET-8085 LCD)(10), Microprocessor Training Kit (ET-8086 LCD)(10), Stepper Motor Controller Interfacing Module (4), Switch Port (24 Port (01)), HP Laser Jet 1020 Plus Printer(1)	22 Computers Added (Intel Core i5 - 1.60GHz, 10th gen, 8GB RAM, Windows 10 Pro, 64bit)
59	ECE	Micro Electronics Lab	11 Computers (5 - Intel Core i5-2.10GHz 10th Gen, Windows 11 Home, 64bit, 22- Intel Core i5- 3.10GHz, 10th Gen. Windows 10, 64bit, 01- Intel Core i9 - 2.90GHz 13th Gen, Windows 11 Pro, 02- Computers Intel Core i7 - 3.20 GHz 8th Gen, Windows 10 Pro, 64 bit, 02- Intel Core, i5- 2.90GHz 4th Gen, Windows 10 Pro, 64bit, 01- GPS system), Software: Siemens HEP-1 -IC Nanometer Design (Back End Design), Sedit, Tspice, Ledit etc, Senses Interactive Intelligent Panel Edge 75" i5 12th Gen 8GB Ram 256 SSD 1TB HDD Window 11 Pro, Switch Port (48 Port(01)), HP Laser Jet Pro P1108 Plus(01)	24 Computer GPU Intel Core i7- 2.10GHz, Windows 11 Home, 64bit 14th Gen
60	ECE	Signal & System Lab	MATLAB 2022b (Licensed), UPS Battery 12V(01), Switch Port (24 Port (01)), HP Laser Jet Pro P1108 Plus(01)	20 Computers Added (Intel Core i7-2.10GHz, 14th gen, 16.0GB RAM, Windows 11 Home, 64bit, Matlab Software 2024b (upgraded))
61	ECE	Database Management System Lab	24 Computers (Intel Core, i9-2.00 GHz 13th Gen., 32GB RAM, Windows 11 Pro, 64 bit), 01 Computer (Intel Core i5 - 2.9GHz, 4th Gen, 4GB RAM, Windows 10 Pro, 64bit), MYSQL Software Open Source, Switch Port (24 Port (01)), (16 Port (01)), HP LaserJet M1005MFP(01)	


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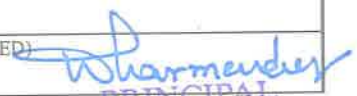
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62	ECE	Project Lab	11 Computers (5 - Intel Core i5-2 10GHz 10th Gen., Windows 11 Home, 64bit, 01-Intel Core i9 - 2.90GHz 13th Gen, Windows 11 Pro, 02- Computers Intel Core i7 - 3.20 GHz, Windows 10 Pro, 64 bit, 8th Gen., 02- Intel Core, i5- 2.90GHz 4th Gen, Windows 10Pro, 64bit, , 01- GPS system), ZYBO BOARD(1) ZYBO, 2 Zed Board((410-248) &(410-479)), GPU System Dell Precision 5820 Workstation(Intel xeon W-2245/32GB RAM/2TB HDD+256GB SSD/12GB RTX GPU with 3584 cuda cores/21.5" monitor/DVD writer/Keyboard & Mouse/3 year Warranty), AFG 1022 Arbitrary Function Generator(1), 22311A-30-3 Manual Triple Channel DC Power Supply(1), Rishabh 410 Multimeter(1), TBS 1052 Digital Storage Oscilloscope(1), SENSENUTS KIT, Viewsonic Projector (1), Software: Python 3(open source), Matlab 2022(Licensed), GNU 8085 (open source), Keil (open source), LT Spice(open source), Virtual Lab (open source), Google Colab(open source),Switch Port (48 Port(01)),HP Laser Jet Pro P1108 Plus(01)	24 Computer GPU Intel Core i7- 2 10GHz, Windows 11 Home , 64bit 14th Gen, Matlab Software 2024b(upgraded)
63	ECE	Probability, Statistics and Linear programming Lab	24 Computers(Intel Core, i9-2 00 GHz 13th Gen, 32GB RAM, Windows 11 Pro, 64 bit), 01 Computer(Intel Core i5 - 2.9GHz, 4th Gen, 4GB RAM, Windows 10Pro, 64bit), Software : MATLAB 2022b(Licensed), Switch Port (24 Port (01)),(16Port (01), HP LaserJet M1005MFP(01)	Matlab Software 2024b(upgraded)
64	ECE	Network Analysis & Synthesis lab (Circuits & System Lab)	12 Computers (07- Intel Core i7 - 3 20 GHz, 8th Gen. Windows 10 Pro, 64 bit, 01- Intel Core 2 duo, Windows 7, 2GB RAM), Experimental kits to calculate two port network parameter-Z,Y,H & Transmission Parameter, Interconnection of 2-Port Network(06), Matlab Software 2022b(Licensed), Switch Port (24 Port(01), HP Laser Jet Pro P1108 Plus(01)	05 ComputersAdded(Intel Corei7-2 10GHz, 14th gen, 16.0GB RAM, Windows 11 Home, 64bit,Matlab Software 2024b(upgraded)
65	ECE	Transmission Waveguide & Antenna Lab	24 Computers(Intel Core, i9-2.00 GHz 13th Gen,32GB RAM, Windows 11Pro, 64 bit), 01 Computer(Intel Core i5 - 2.9GHz, 4th Gen, 4GB RAM, Windows 10Pro, 64bit),Software- CST 2023 Studio,Switch Port (24 Port (01)),(16Port (01), HP LaserJet M1005MFP(01)	
66	ECE	VHDL Programing Language Lab	11 Computers (5 - Intel Core i5-2 10GHz 10th Gen, Windows 11 Home, 64bit, 22- Intel Core i5- 3.10Ghz, 10th Gen Windows 10, 64bit, 01-Intel Core i9 - 2.90GHz 13th Gen, Windows 11Pro, 02- Computers Intel Core i7 - 3.20 GHz 8th Gen, Windows 10 Pro, 64 bit, 02- Intel Core, i5- 2 90GHz 4th Gen, Windows 10Pro, 64bit, 01- GPS system), FPGA kits(8), TUL PYNQ Z2 Board(05), Kria KV 260 Vision AI Starter Kit(01), Zynq UltraScale + MP SOC ZCU 104 Evaluation Kit(01) Model Composer Plugin, Software: Siemens -HEP-2 - Design), Verification & Test(Front End Design), QuestaSim, Precision, Tessent DFT, ,AMD Vivado ML Enterprise Editions, Vitis Model Composer Plugin, Senses Interactive Intelligent Panel Edge 75" i5 12th Gen 8GB Ram 256 SSD1TB HDD Window 11 Pro,Switch Port (48 Port(01),HP Laser Jet Pro P1108 Plus(01)	24 Computer GPU Intel Core i7- 2 10GHz, Windows 11 Home , 64bit 14th Gen
67	ECE	Artificial Intelligence Lab	VS Code(Open Source), UPS Battery 12V(01),Switch Port (24 Port (01), HP LaserJet P1108(01)	20 ComputersAdded(Intel Corei7-2 10GHz, 14th gen, 16.0GB RAM, Windows 11 Home, 64bit
68	ECE	C++ Lab	Code Blocks(Open Source), UPS Battery 12V(01),Switch Port (24 Port (01), HP LaserJet P1108(01)	20 ComputersAdded(Intel Corei7-2 10GHz, 14th gen, 16.0GB RAM, Windows 11 Home, 64bit
69	ECE	Wireless Sensor Network Lab	1 Computer (Intel Core i5 - 2.10 GHz, 4th gen, 16GB RAM, Windows 10Pro, 64bit), Ubuntu(Operating System), NS3 Software,UPS Battery 12V(01),Switch Port (24 Port(01),HP Laser Jet 1020 Plus Printer(1)	22 Computers Added(Intel Core i5 - 1.60GHz, 10th gen, 8GB RAM, Windows 10Pro, 64bit)
70	ECE	Optical Communications Systems & Networks Lab	12 Computers (07 Computers (Intel Core i7 - 3.20 GHz, 8th Gen Windows 10 Pro, 64 bit), , 01 Computer (Intel Core 2 duo, Windows 7, 2GB RAM), Fibre Optic Kit(03), Function Generator(07), Optical Power Meter(02), Time Division Multiplexing Kit (02), DSO(05), Software : Optisim(Licensed-7 user),Switch Port (24 Port(01),HP Laser Jet Pro P1108 Plus(01)	05 ComputersAdded(Intel Corei7-2 10GHz, 14th gen, 16.0GB RAM, Windows 11 Home, 64bit
71	ECE	Data Structure and Algorithm Lab	20 Computers (Intel Core i9-2 00 GHz, 13th Gen Windows 11Pro),RAM- 32GB, 1 Computer (Intel Core i5, 6th gen, 16GB RAM, Windows 10 Pro - 64 bit), Software-VS Code(Open Source),UPS Battery 12V(01), Switch Port (24 Port(01),HP Laser Jet Pro P1108 Plus(01)	
72	ECE	Reinforcement Learning Lab	24 Computers(Intel Core, i9-2 00 GHz 13th Gen Windows 11Pro, 64 bit, RAM- 32GB),01 Computer(Intel Core i5 - 2.9GHz, 4th Gen, 4GB RAM, Windows 10Pro, 64bit), Software: Anaconda (open source),Switch Port (24 Port (01)),(16Port (01),HP LaserJet M1005MFP(01)	

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73	ECE	Pattern Recognition and Computer Vision Lab	1 Computer (Intel Core i5 - 2.10 GHz, 4th gen, 16GB RAM, Windows 10 Pro, 64bit), UPS Battery 12V(01), Switch Port (24 Port(01)), MATLAB 2022b(Licensed), HP Laser Jet 1020 Plus Printer(1)	22 Computers Added(Intel Core i5 - 1.60GHz, 10th gen, 8GB RAM, Windows 10 Pro, 64bit), Matlab Software 2024b(upgraded)
74	ECE	Software Engineering Lab	12 Computers (07 Computer (Intel Core i7- 3.20 GHz, 8th Gen, Windows 10 Pro, 64bit), 01 computer(Windows 7, Core to duo, 2GB RAM), Software: StarUML (Open Source), Switch Port (24 Port (01), HP Laser Jet Pro P1108 Plus(01)	
75	ECE	Internet Of Things Lab	Software-Arduino IDE, Raspberry Pi, Angry IP, VNC Viewer, IOT Advance Trainer Kit(06)(Model: STS-IOT-01R), HDMI to VGA Converter Cable(06), Switch Port (24 Port (01)	07 Computers Added(Intel Core i7- 2.10GHz, 14th gen, 16.0GB RAM, Windows 11 Home, 64bit
76	ECE	Machine Learning	11 Computers (4 - Intel Core i5-2.10GHz, Windows 11 Home, 64bit, 10th Gen., 01-Intel Core i9 - 2.90GHz, Windows 11 Pro, 13th Gen., 02- Computers (Intel Core i7 - 3.20 GHz, Windows 10 Pro, 64 bit, 8th Gen), 02- Intel Core, i5- 2.90GHz, Windows 10 Pro, 64bit, 4th Gen, 01- GPS system), Software: Anaconda (open source), Switch Port (48 Port (01) HP Laser Jet Pro P1108 Plus(01)	24 Computer GPU Intel Core i7- 2.10GHz, Windows 11 Home, 64bit 14th Gen
77	ECE	Semi Conductor Device Modeling Lab	11 Computers (4 - Intel Core i5-2.10GHz, Windows 11 Home, 64bit, 10th Gen., 01-Intel Core i9 - 2.90GHz, Windows 11 Pro, 13th Gen., 02- Computers Intel Core i7 - 3.20 GHz, Windows 10 Pro, 64 bit, 8th Gen, 02- Intel Core, i5- 2.90GHz, Windows 10 Pro, 64bit, 4th Gen, 01- GPS system), Software: LT Spice(Open Source), Senses Interactive Intelligent Panel Edge 75" i5 12th Gen 8GB Ram 256 SSD 1TB HDD Window 11 Pro, Switch Port (48 Port (01)), HP Laser Jet Pro P1108 Plus(01)	24 Computer GPU Intel Core i7- 2.10GHz, Windows 11 Home, 64bit 14th Gen
78	ECE	Very Large Scale Integration Lab	11 Computers (5 - Intel Core i5-2.10GHz 10th Gen, Windows 11 Home, 64bit, 22- Intel Core i5- 3.10Ghz, 10th Gen, Windows 10, 64bit, 01-Intel Core i9 - 2.90GHz 13th Gen, Windows 11 Pro, 02- Computers Intel Core i7 - 3.20 GHz 8th Gen, Windows 10 Pro, 64 bit, 02- Intel Core, i5- 2.90GHz 4th Gen, Windows 10 Pro, 64bit, 01- GPS system), Software: Siemens HEP-1 -IC Nanometer Design (Back End Design), Sedit, Tspice, Ledit etc, Senses Interactive Intelligent Panel Edge 75" i5 12th Gen 8GB Ram 256 SSD 1TB HDD Window 11 Pro, Switch Port (48 Port(01)), HP Laser Jet Pro P1108 Plus(01)	24 Computer GPU Intel Core i7- 2.10GHz, Windows 11 Home, 64bit 14th Gen
79	ECE	Statistics, Statistical Modelling & Data Analytics	24 Computers(Intel Core, i9-2.00 GHz 13th Gen, 32GB RAM, Windows 11 Pro, 64 bit), 01 Computer(Intel Core i5 - 2.9GHz, 4th Gen, 4GB RAM, Windows 10 Pro, 64bit), SCILAB-2024 Software Open Source, Switch Port (24 Port (01)), (16Port (01)), HP LaserJet M1005MFP(01)	
80	EEE	Electronics-I Lab	Diodes, Transistors, thyristors ICs Power supply, Function Generator, DSO, Digital Multimeter, Voltmeters	
81	EEE	Electrical Engineering Workshop Lab	Electrical Hand Tools, DSO, Bread Board Illumination Panel Kits, Conduit wiring Set up, Drill Machine.	
82	EEE	Computational Methods Lab	14 Computer, TFT Monitor, I -5 processor, HDD - 500GB, RAM -8 GB, MATLAB 2022R, ETAP Software, 1 Printer	(MATLAB UPGRADED)
83	EEE	Electrical Machines-1	3-phase & 1-phase Induction Motor, Synchronous Motor, Alternator, Direct online starter, DC Shunt Motor, Transformer, 3-Point starter, Mechanical Load Set up, DC generator, 2 Computer(TFT Monitor, I5 processor, 2.7Ghz, SYNCROSCOPE, 8GB/4GB RAM, MATLAB	
84	EEE	Power System Lab 1	Panel for calculation of ABCD Parameters for a Transmission Line, Ferranti Effect For Transmission Line, Apparatus for calculation of Resistance of Earth Using Earth Electrodes and Megger, Panel For calculating Dielectric Strength of The Transformer Oil	
85	EEE	Network Analysis & Synthesis lab (Circuits & System Lab)	Experimental kits to calculate two port network parameter-Z, Y, H & Transmission parameter, interconnection of two 2-port network, MATLAB installed 1 computer, 5 digital trainer kits two power supply and 2 DSOs. (MATLAB UPGRADED).	
86	EEE	Electronics-II Lab	Diodes, Transistors, thyristors Ics etc Power supply, Function Generator, DSO	
87	EEE	Probability & Linear Programming Lab	14 Computer, TFT Monitor, I -5 processor, HDD - 500GB, RAM -8 GB, MATLAB 2022R, 1 Printer	(MATLAB UPGRADED)


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88	EEE	Electrical Machines-II	3-phase & 1-phase Induction Motor, Synchronous Motor, Alternator, Direct online starter, DC Shunt Motor, Transformer, 3-Point starter, Mechanical Load Set up, DC generator, 2 Computer (TFT Monitor, I5 processor, 2.7Ghz, SYNCROSCOPE, 8GB/4GB RAM, MATLAB)	
89	EEE	Power Electronics Lab	SCR & TRAIC, MOSFET, UJT, Single phase HWR, Single phase fully controlled, AC phase control, Cycloconverter, Buck and Boost converter, TYPE-C Chopper and SPWM Inverter kit	
90	EEE	EEMI Lab	Three Phase Power measurement kit by two wattmeter kit, 3 Phase autotransformer, testing of single phase and three phase electromechanical energy meter, measurement of power line parameters using series RLC load, Calibration of ammeter and voltmeter using potentiometer kit, function generator	
91	EEE	Utilisation of Electrical Energy Lab	1 Phase Energy meter kits, polar curve & inverse low kits, Iron losses kits, power factor meter kits, Transformer turns Ratio kits, Phantom Loading kits and Silsbee kits	
92	EEE	Power System Lab II	Instantaneous Overcurrent Relay, IDMT Relay, Differential Relay, Single Line to Ground Fault	
93	EEE	EEE-Microprocessor and Microcontroller	Microprocessor Kit 8086 (Advanced Version)- 16, Interfacing Modules (8255, 8253, Stepper Module) 3 computers (I-5 processor, 4 GB RAM, 500GB Hard Disk)	
94	EEE	EEE-Electric Drives Lab	AC Drives, Single and three-phase Microcontroller, DC series Motor, DC shunt Motor, 3 phase & 1 Phase Induction Motor, Experimental set up for study the closed loop control of BLDC Motor MATLAB	
95	EEE	Database Management System Lab	14 Computer, TFT Monitor, I-5 processor, HDD - 500GB, RAM -4 GB, MATLAB 2022R, 1 Printer	
96	EEE	Soft computing Lab	Computer Desktop P C-20, 13 Gen Intel i9-13900, 2Ghz, 32GB, 64-bit O.S., x64-based processor.	(MATLAB UPGRADED)
97	EEE	Research Lab EV-BMS lab	"Keysight" Infiniivision 1000X Series Oscilloscope: Model: DSOX1204A, 100MHz; "Keysight" High Voltage Differential Probe: Model: N2791A, 100 W Solar Panel, Boost Converter, Resistive Load	4 wheeler Drive Trainer kit, 2 wheeler Drive trainer kit, Battery DIY kit with BMS li-ion battery, Battery pack Tester, SMPS charger, 1 Small Multifunction tool kit, 1 Big Tool kit, DSO, Differential Probe 25MHz, Megger.
98	ICE	Bio-Medical Instrumentation Lab	Pacemaker Trainer kit, Respiration Rate Monitor Trainer, EMG Trainer, ECG machine, Pulse Oximeter, Blood Pressure Instrument, Biofeedback machine, Spirometer, 12 Channel ECG machine	
99	ICE	Control Systems	DC Motor Speed Control Kit, DC Position Control Kit, AC position Control Kit Synchro-transmitter/receiver Kit, PID Controller Kit, Linear System Simulator, Lead Lag Compensator, Computer Desktop PC-13, Printer 1, MATLAB Software, 10 User License, SCL-105 Trainer Kit, SCL-102 Trainer Kit, SCL-110A Trainer kit	(MATLAB UPGRADED)
100	ICE	Sensors and Transducers Lab	RTD, Thermistor, Thermocouple, Strain Gauge, Pressure Measurement, Optical, Load Cell, Speed Measurement IR, Magnetic Pickup, OP-Instrumentation amplifier kit, Desktop PC, DSO	
101	ICE	Electrical & Electronics Measurements Lab	Kelvin double Bridge, Hay Bridge, Maxwell Bridge, Anderson Bridge, Owen Bridge, Schering Bridge, Anderson Bridge CT, PT, Trainer kit of LVDT, LCR Meter, Digital Frequency Meter, Three Phase Power measurement kit by two wattmeter, 3 Phase autotransformer, measurement of power line parameters using series RLC load, Calibration of ammeter and voltmeter using potentiometer kit, function generator	
102	ICE	Digital Signal Processing Lab	Computer Desktop PC-10, MATLAB Software	(MATLAB UPGRADED)
103	ICE	Internet of Things LAB	IOT Advanced Trainer Kit(2)	
104	ICE	Microprocessors & Microcontrollers Lab	89C51 RD2 development board-10nos, Desktop PC- 4, EMU8086 - MICROPROCESSOR EMULATOR, 8086 LCD Microprocessor Training Kit Basics-3Nos, 8086 Advanced Microprocessor Kit-2 Nos	

105	ICE	Process Control Lab	Cascade control kit, Control valve characteristic kit, Ratio control Kit, PID kit, , D71 Compressor, Desktop PC -4, Process Control Trainer Kit, Industrial PLC Trainer Kit	
106	ICE	Industrial & Optical Instrumentation Lab	PH measurement, , Flow measurement, Temperature measurement, strain measurement, pressure measurement, speed measurement kit Labview	
107	ICE	Digital Electronics LAB	ALU Trainer(1), Flip-Flop Trainer(2), Digital Trainer(3), DAC Trainer(1), ADC Trainer(1)	
108	ICE	Virtual Instrumentation Lab	PC-5nos	
109	IT	Digital Logic & Computer Design Lab	22 (Processor: - i5, 6th Gen Intel(R) Xeon (R) E-2224G CPU 3.50 GHz RAM 16 GB , Window 10, (Licence), Logisim, GNU Simulator, HP laserjet 1108 Printer, 6 - Digital transmitter Kit	
110	IT	SSMD Lab	22 (Processor: - i5, 6th Gen Intel(R) Xeon (R) E-2224G CPU 3.50 GHz RAM - 16GB Operating system: - Window 10), MATLAB (2022B)	
111	IT	Computational Methods Lab	22 (Processor: - i5, 6th Gen Intel(R) Xeon (R) E-2224G CPU 3.50 GHz RAM - 16GB Operating system: - Window 10), MATLAB (2022B)	
112	IT	Data Structure Lab	25 PC (Processor: - I5 Generation: - 12th gen RAM - 16 GB Operating system: - Window 10), Code Blocks, 1 HP Laser 1000A Printer	
113	IT	Machine Learning lab	24 PC (Processor: - I5 Generation: - 12th gen RAM - 16 GB Operating system: - Window 10), SOFTWARE-Python	
114	IT	Database Management system lab	24 PC (Processor: - Intel(R) Xeon (R) E-2224G CPU 3.50 GHz RAM - 16GB Operating system: - Window 10), SOFTWARE-MySQL	
115	IT	Programming in java lab	30 PC (Processor: -13th Gen Intel(R) Xeon (R) E-2224G CPU 3.50 GHz, RAM - 1TB, Operating system: - Window 10) +1 PC (Process I5, Generation 6th, RAM 16 GB , Window 10), Operating system: - Window 10), Code Blocks 1 HP Laser 1000A Printer, Visual Studio 2012 - Open Source	
116	IT	Probability Statistics and Linear Programming Lab	25 PC (Processor: - I5 Generation: - 12th gen RAM - 16 GB Operating system: - Window 10), 1 HP Laser 1000A Printer, JDK -open source, Anaconda and Jupyter Notebook -open source , Eclipse 4.23 -open Source, 1 printer	HP Laser Jet Pro P1108 plus
117	IT	Advanced Java Programming	25 PC (Processor: - I5 Generation: - 12th gen RAM - 16 GB Operating system: - Window 10), 1 HP Laser 1000A Printer, JDK -open source, Anaconda and Jupyter Notebook -open source , Eclipse 4.23 -open Source, 1 printer	
118	IT	Pattern Recognition Lab	30 PC (Processor: -13th Gen Intel(R) Xeon (R) E-2224G CPU 3.50 GHz, RAM - 1TB, Operating system: - Window 10) +1 PC (Process I5, Generation 6th, RAM 16 GB , Window 10), Operating system: - Window 10), Code Blocks 1 HP Laser 1000A Printer, Ubuntu 15 - Open Source, Matlab, Python	
119	IT	RLDL Lab	22 PC (Processor: - Intel(R) Xeon (R) E-2224G CPU 3.50 GHz RAM - 16GB Operating system: - Window 10), MATLAB (2022B) Python	HP Laser Jet Pro P1108 plus
120	IT	Software Engineering Lab	24 PC (Processor: - Intel(R) Xeon (R) E-2224G CPU 3.50 GHz RAM - 16GB Operating system: - Window 10), Code Blocks, Star UML	
121	IT	Operating system Lab	30 PC (Processor: -13th Gen Intel(R) Xeon (R) E-2224G CPU 3.50 GHz, RAM - 1TB, Operating system: - Window 10) +1 PC (Process I5, Generation 6th, RAM 16 GB , Window 10), Operating system: - Window 10), Code Blocks 1 HP Laser 1000A Printer,	
122	IT	Web Tech. Lab	18 PC (Processor: - Intel(R) Xeon (R) E-2224G CPU 3.50 GHz, RAM - 16 GB, Operating system: - Window 10), + 1 PC (Process I5, Generation 6th, RAM 16 GB , Window 10) Visual Studio 2012 - Open Source, 1 HP Laser Printer	

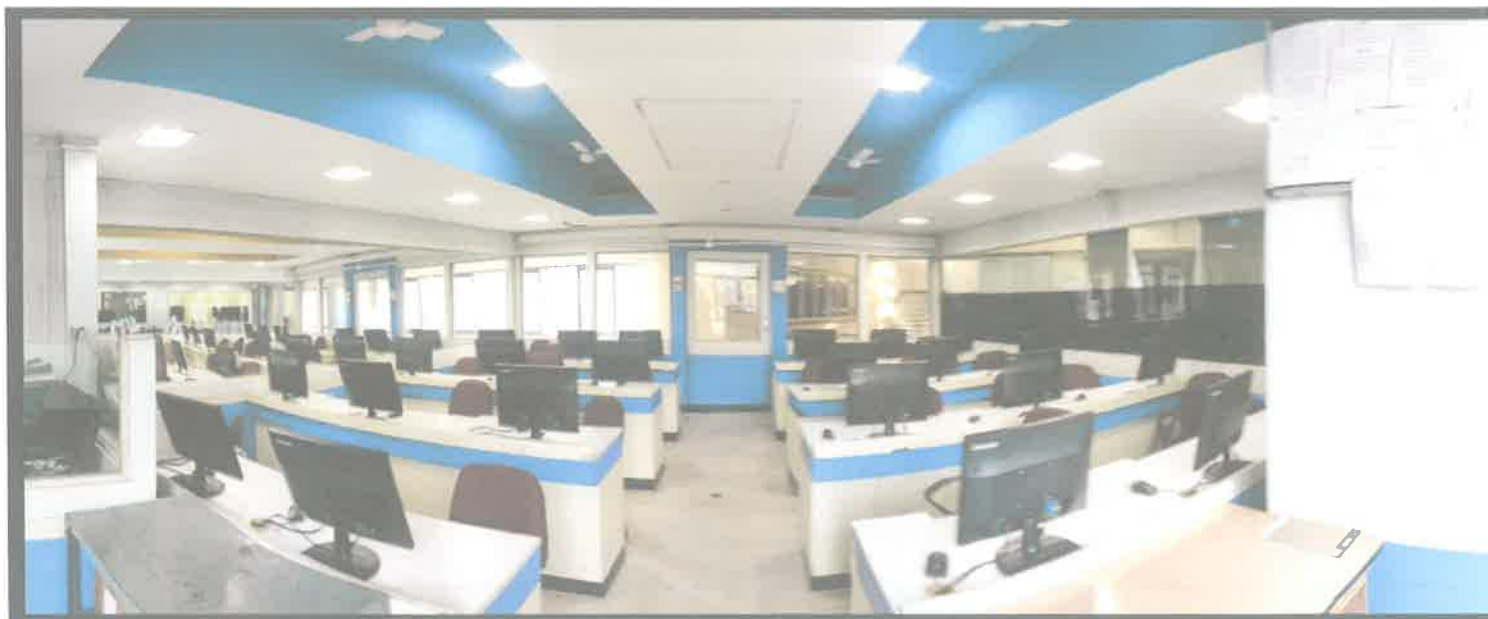
123	IT	Compiler Design	18 PC (Processor: - Intel(R) Xeon (R) E-2224G CPU 3.50 GHz, RAM - 16 GB, Operating system: - Window 10), + 1 PC (Process I5, Generation 6th, RAM 16 GB, Window 10), Visual Studio 2012 - Open Source, 1 HP Laser Print	
124	IT	Social Network Analysis Lab	18 PC (Processor: - Intel(R) Xeon (R) E-2224G CPU 3.50 GHz, RAM - 16 GB, Operating system: - Window 10), + 1 PC (Process I5, Generation 6th, RAM 16 GB, Window 10), Ubuntu 15 - Open Source	
125	IT	Web Mining Lab	18 PC (Processor: - Intel(R) Xeon (R) E-2224G CPU 3.50 GHz, RAM - 16 GB, Operating system: - Window 10), + 1 PC (Process I5, Generation 6th, RAM 16 GB, Window 10), Python	
126	IT	Data Science Using R	25 PC (Processor: - I5 Generation: - 12th gen RAM - 16 GB Operating system: - Window 10), Code Blocks, 1 HP Laser 1000A Printer, R Language	
127	IT	BI Lab	25 PC (Processor: - I5 Generation: - 12th gen RAM - 16 GB Operating system: - Window 10), Code Blocks, 1 HP Laser 1000A Printer, Python	
128	IT	Computer Network Lab	25 PC (Processor: - I5 Generation: - 12th gen RAM - 16 GB Operating system: - Window 10), Code Blocks, 1 HP Laser 1000A Printer Ubuntu 15 - NS2, NS3 Open Source, Cisco Packet tracer	
129	IT	OOPS Lab	24 PC (Processor: - Intel(R) Xeon (R) E-2224G CPU 3.50 GHz RAM - 16GB Operating system: - Window 10), Code Blocks, Star UML	
130	IT	DAA Lab	30 PC (Processor: - 13th Gen Intel(R) Xeon (R) E-2224G CPU 3.50 GHz, RAM - 1TB, Operating system: - Window 10) + 1 PC (Process I5, Generation 6th, RAM 16 GB, Window 10), Operating system: - Window 10), Code Blocks 1 HP Laser 1000A Printer	
131	IT	Artificial Intelligence and Machine Learning	18 PC (Processor: - Intel(R) Xeon (R) E-2224G CPU 3.50 GHz, RAM - 16 GB, Operating system: - Window 10), + 1 PC (Process I5, Generation 6th, RAM 16 GB, Window 10) Visual Studio 2012 - Open Source, 1 HP Laser Printer	
132	IT	Python. Prog.	24 PC (Processor: - Intel(R) Xeon (R) E-2224G CPU 3.50 GHz RAM - 16GB Operating system: - Window 10), Code Blocks, Star UML	HP Laser Jet Pro P1108 plus
133	IT	Artificial Intellegence	30 PC (Processor: - 13th Gen Intel(R) Xeon (R) E-2224G CPU 3.50 GHz, RAM - 1TB, Operating system: - Window 10) + 1 PC (Process I5, Generation 6th, RAM 16 GB, Window 10), Operating system: - Window 10), Code Blocks 1 HP Laser 1000A Printer, Visual Studio 2012 - Open Source	
134	IT	Big Data Lab	14 PC (Process I5, Generation 6th, RAM 16 GB, Window 10), 1 Intel(R) Xeon(R) E-2224G, CPU@3.50GH, RAM 16 GB, Window 10, 2 Processor 12th Gen Intel(R) Core(TM) i5-12500 RAM-16 GB, Window 11, 1 GPU 11th Gen Intel(R) Core (Tm) i7-11700@2.50GHz, 32GB, 1 GPU Intel(R) Xeon(R) W-2245 CPU@ 3.90 GHz, 32 GB, 1 Server IBM Tower server Quad Processor, RAM 16 GB, Window 10, MySQL 8.0 - Open Source, MATLAB(R2022b) - Licensed, Python 3.11.0 - Open Source, R version 4.2.2 - Open Source, MY SQL, LINUX, MATLAB, Ubuntu 15 - Open Source	
135	IT	Circuit & System Lab	22 (Processor: - i5, 6th Gen Intel(R) Xeon (R) E-2224G CPU 3.50 GHz RAM 16 GB, Window 10, (License), CODE BLOCK Simulator, HP laserjet 1108 Printer, 6 - Digital transmitter Kit	
136	IT	Project and Research Lab	14 PC (Process I5, Generation 6th, RAM 16 GB, Window 10), 1 Intel(R) Xeon(R) E-2224G, CPU@3.50GH, RAM 16 GB, Window 10, 2 Processor 12th Gen Intel(R) Core(TM) i5-12500 RAM-16 GB, Window 11, 1 GPU 11th Gen Intel(R) Core (Tm) i7-11700@2.50GHz, 32GB, 1 GPU Intel(R) Xeon(R) W-2245 CPU@ 3.90 GHz, 32 GB, 1 Server IBM Tower server Quad Processor, RAM 16 GB, Window 10, MySQL 8.0 - Open Source, MATLAB(R2022b) - Licensed, Python 3.11.0 - Open Source, R version 4.2.2 - Open Source, MY SQL, LINUX, MATLAB, Ubuntu 15 - Open Source	


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COMPUTER SCIENCE & ENGINEERING DEPARTMENT

Lab A-102 Database Management System Lab



Lab A-103 Data Structures Lab



Lab A-104
Compiler Design Lab



Lab C-103
Operating Systems Lab



Lab A-107
Digital Logic and Computer Design Lab



Lab A-107
Intel Unnati AI Lab



Lab A-104
STMicroelectronics Embedded Edge Artificial Intelligence Lab



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IT Department Laboratories

C-102 Compiler Design and Web Mining Lab



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C302 Computational Method



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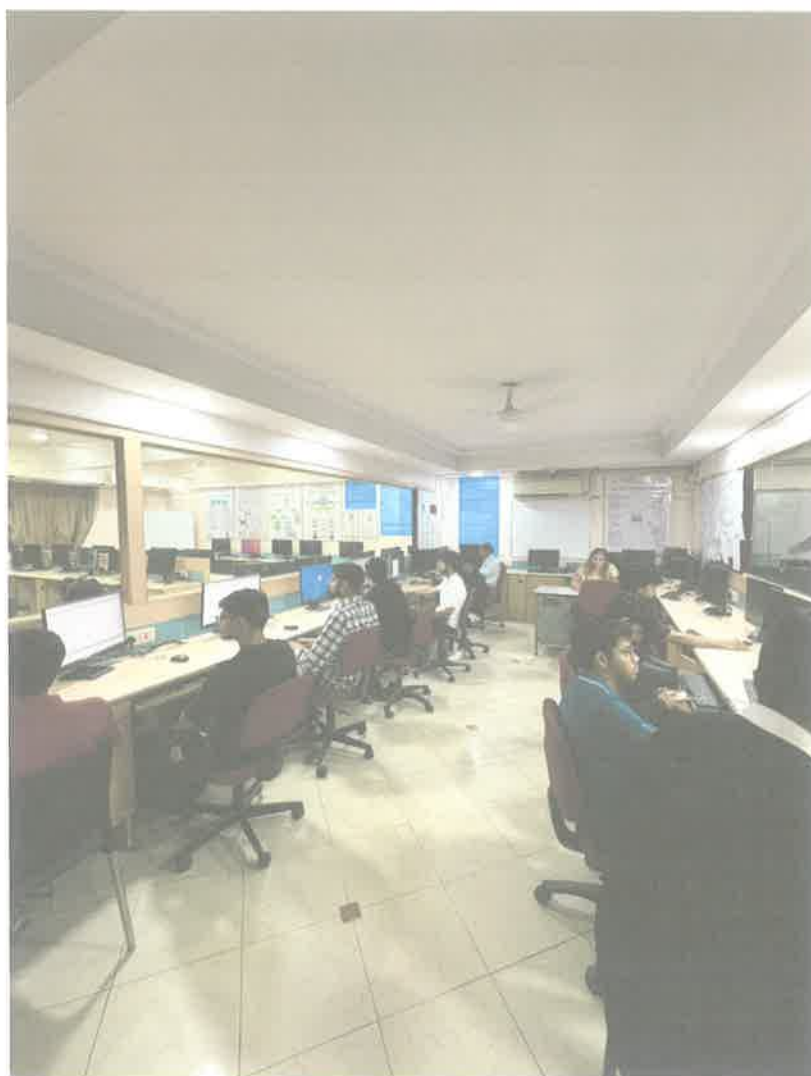
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C 303 Bigdata Analytics/Research Lab



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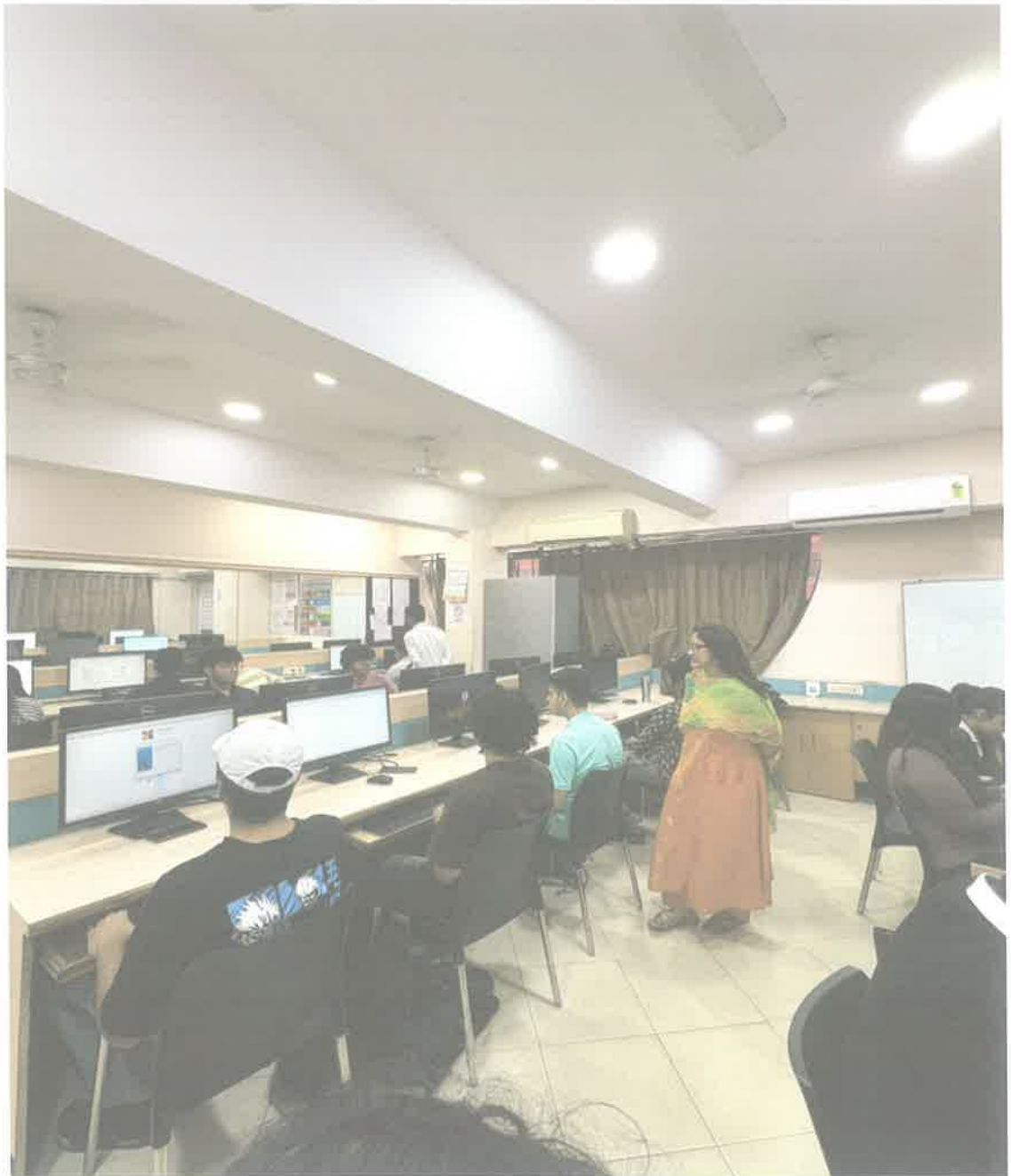
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C-304 Data Structure/ Computer Network Lab



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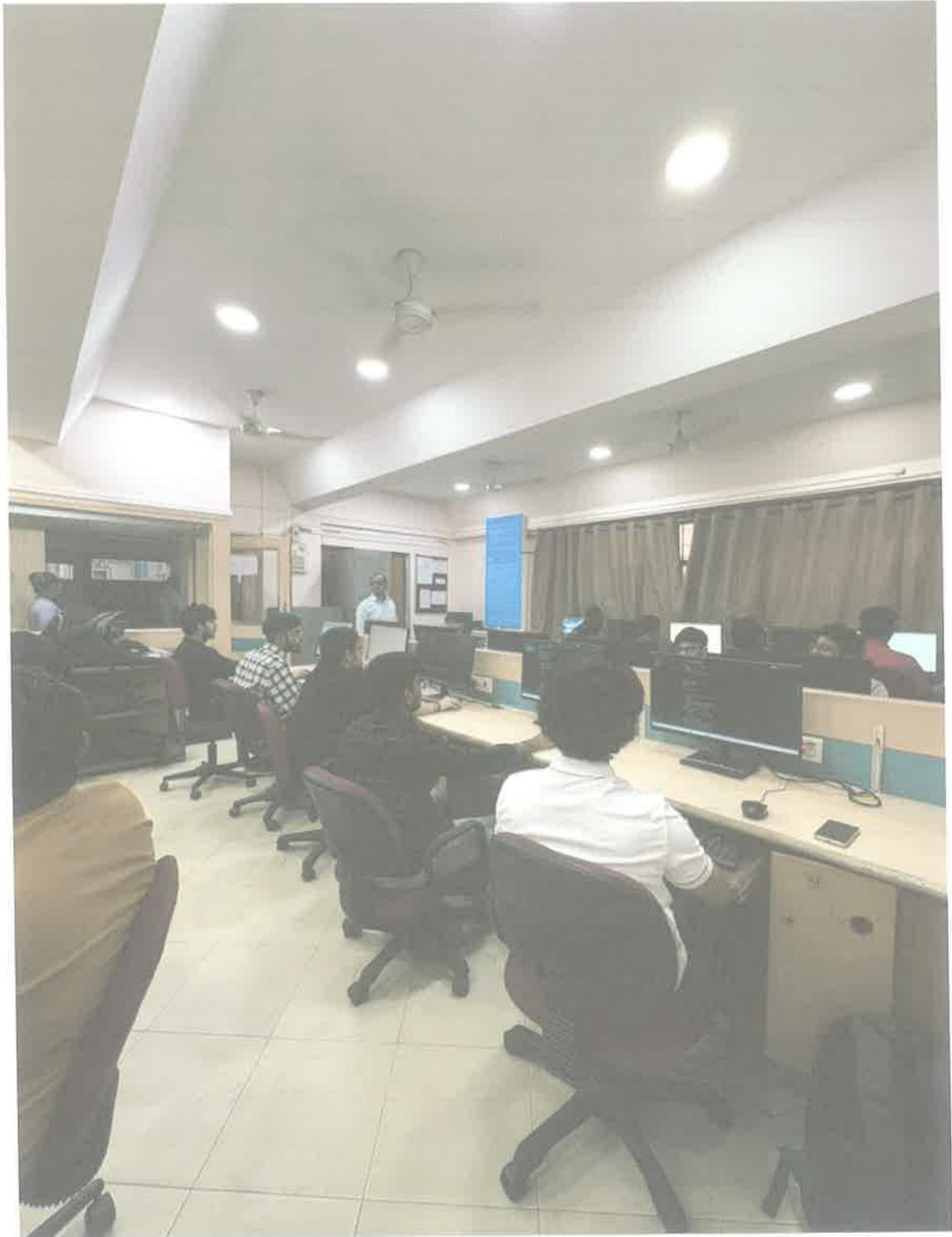
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C-305 Lab Object Oriented Programming/Operating System Lab



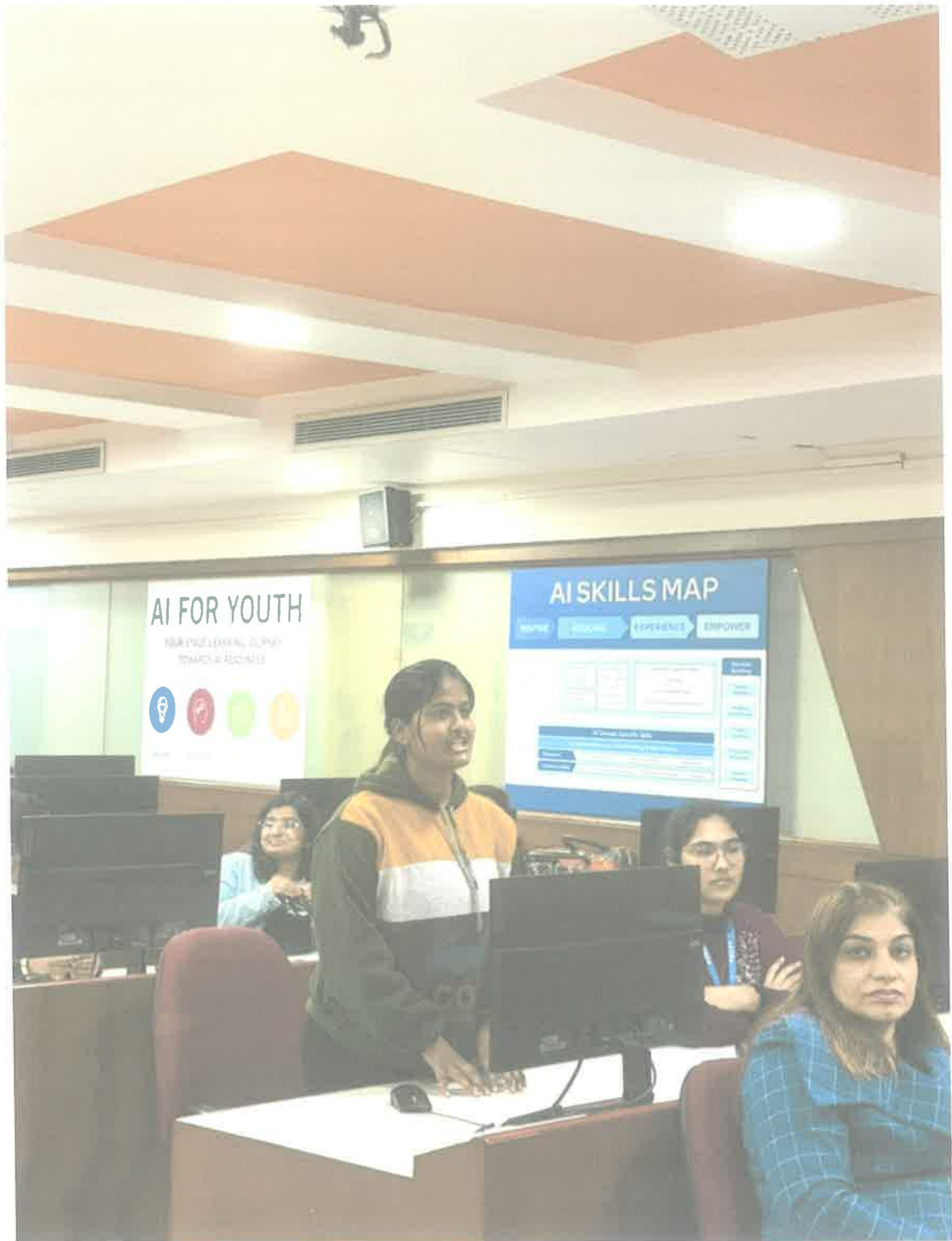
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ELECTRICAL & ELECTRONICS ENGINEERING DEPARTMENT

Lab A-304

Electronics Lab



Lab A-307

Power System



Lab A-308
Advance Control System Lab



Lab B-004
Machine Lab



Lab A-306
EVBMS



Lab A-303
Soft Computing Lab





Electric Vehicle and Battery Management System (EVBS)

(Center of Excellence under EEE Department)

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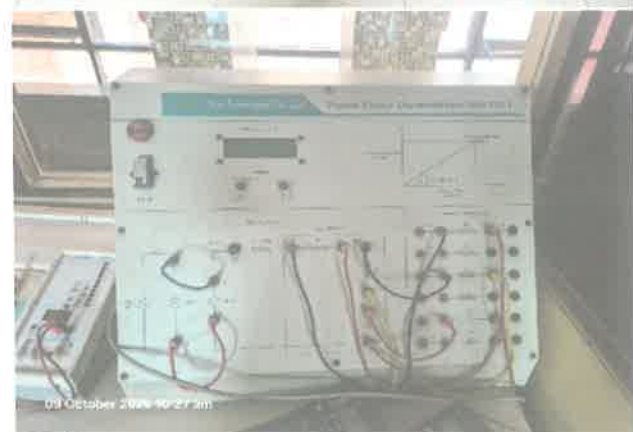
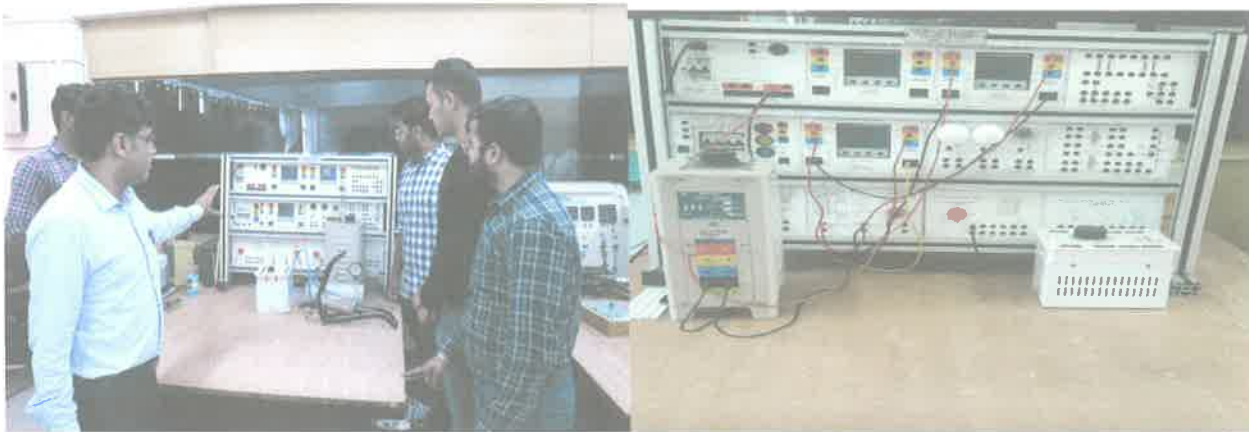


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INSTRUMENTATION & CONTROL ENGINEERING DEPARTMENT

Lab A-307

Measurement & Instruments Lab (Even Sem)



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Control System Lab (Odd Semester)



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Lab A-302

Sensor & Transducers Lab (Even Sem)



Microprocessor & Microcontroller Lab (Odd Sem)



Internet of Things Lab (Even Sem)



Process Control Lab (Even Sem)



Industrial & Optical Instrumentation Lab (Odd Sem)



Virtual Instrument Lab (Odd Sem)



Biomedical Instrumentation Lab (Odd Sem)



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ELECTRONICS & COMMUNICATION ENGINEERING DEPARTMENT

Lab A-202

Transmission Waveguide & Antenna Lab, Database Management System Lab, Reinforcement Learning Lab, Probability Statistics and Linear Programming Lab, Statistics Statistical Modelling & Data Analytics



Lab A-203

Digital Logic & Computer Design Lab, Software Engineering Lab, Optical Communications Systems & Networks Lab, Network Analysis & Synthesis lab



Lab A-204

Analog Electronics-I Lab, Analog Electronics-II Lab, Introduction to Internet of Things Lab



Lab A-206

Signal & System Lab, Digital Signal Processing Lab, C++, Artificial Intelligence



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A-4, Paschim Vihar,
New Delhi-63

Lab A-207 A

Analog Communication Lab, Introduction to Control System Lab, Digital Communication Lab, Data Structure and Algorithm Lab



Lab A-207 B

Computational Method Lab, Data Communication Networks Lab, Pattern Recognition and Computer Vision Lab, Wireless Sensor Networks Lab, Microprocessor & Microcontroller Lab



Lab A-405

Microelectronics Lab, Machine Learning Lab, Very High Speed Integrated Circuit Hardware Description Language Lab, Very Large Scale Integration Lab, Semi-Conductor Device Modelling Lab



Sharminder
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APPLIED SCIENCE DEPARTMENT

1) Electrical Science Lab (Workshop)



Sharmadev
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2) Workshop/EG lab



4. Physics Lab(001)



5. Chemistry Lab(002)



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